

RYERSON UNIVERSITY
DEPARTMENT OF MATHEMATICS
GRAPHS AT RYERSON (G@R) SEMINAR

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Date: Thursday, October 6, 2016
Time: 10am
Location: ENG 210

**On the relationship between call graph topology and
prices on pre-paid telecommunication market**

Abstract: We analyze a multiagent model of a pre-paid telecommunication market and illustrate how the structure of the call graph among customers influences long-run market prices. Earlier analytical models of such markets assumed that customers are connected by full graph. We consider networks generated using Watt-Strogatz type algorithm. It is shown that such change of modeling assumption leads to equilibrium prices that reflect empirical data much more accurately.

ALL FACULTY, STAFF, STUDENTS AND GUESTS ARE WELCOME TO ATTEND